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6 record(s) found in the family

US 2003 144316A (see page 4/7.)

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[no drawing available]

AU2882501A ☐ **20010807****Title:** (ENG) Remedies**Application Number:** AU 2882501 D**Application (Filing) Date:** 20010126**Priority Data:** JP 2000019208 20000127 A X; JP 2000019331 20000127 A X; JP 2000254683 20000824 A X; JP 2000308519 20001006 A X; JP 0100513 20010126 W V;**Inventor(s):** OHNOGI HIROMU ; SHIRAGA MASAHIRO ; KOBAYASHI EIJI ; LI TUO-PING ; DEGUCHI SUZU ; NISHIYAMA EIJI ; SAGAWA HIROAKI ; KATO IKUNOSHIN**Assignee/Applicant/Grantee:** TAKARA SHUZO CO**Original IPC (1-7):** A61K03112; A61K031216; A61K031352; A61K0317004; A61P02500; A61P02528; A61P00910; A61P04300; A23L00130; C07C04983; C07C049255; C07C04984; C07C049573; C07C06912**Other Abstracts for Family Members:** DERABS C2001-570460**Legal Status:** There is no Legal Status information available for this patent

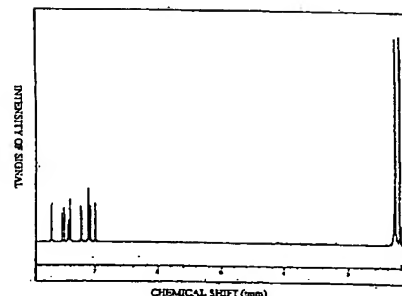
[no drawing available]

CN1419448A ☐ **20030521****Title:** (ENG) Remedies**Application Number:** CN 01807329 A**Application (Filing) Date:** 20010126**Priority Data:** JP 2000019208 20000127 A ; JP 2000019331 20000127 A ; JP 2000254683 20000824 A ; JP 2000308519 20001006 A ;**Inventor(s):** HIROMU OHNOGI JP ; MASAHIRO SHIRAGA JP ; EIJI KOBAYASHI JP**Assignee/Applicant/Grantee:** TAKARA BIO INC JP**Last Modification Date:** 20050315**Original IPC (1-7):** A61K03112; A61K031216; A61K031352; A61K0317004; A61P02500; A61P02528; A61P00910; A61P04300; A23L00130**Legal Status:** There is no Legal Status information available for this patent

EPO Register

EP1254658A1 ☐ **20021106** [FullText](#)**Title:** (ENG) REMEDIES**Application Number:** EP 01946787 A**Application (Filing) Date:** 20010126**Priority Data:** JP 0100513 20010126 W V; JP 2000019208 20000127 A I; JP 2000019331 20000127 A I; JP 2000254683 20000824 A I; JP 2000308519 20001006 A I;**Inventor(s):** LI TUO-PING JP ; OHNOGI HIROMU JP ; DEGUCHI SUZU JP ; KATO IKUNOSHIN JP ; KOBAYASHI EIJI JP ; NISHIYAMA EIJI JP ; SAGAWA HIROAKI JP ; SHIRAGA MASAHIRO JP**Assignee/Applicant/Grantee:** TAKARA BIO INC JP**Last Modification Date:** 20060424

FIG.1



Original IPC (1-7): A61K03112; A61K031216; A61K031352;
A61K0317004; A61P02500; A61P02528; A61P00910; A61P04300;
A23L00130; C07C04983; C07C049255; C07C04984; C07C049573;
C07C06912

ECLA (European Class): A61K03112; A61K031216; A61K031352;
A61K0317004; A23L00130

Designated Countries:

- Designated States: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR

Publication Language: ENG

Agent(s): VOSSIUS & PARTNER 00100314 Siebertstrasse 4
81675Muenchen DE

Non-Patent Citations:

- PATENT ABSTRACTS OF JAPAN vol. 018, no. 001 (C-1148), 6 January 1994(1994-01-06) & JP 05 246932 A (NIPPON HIGH POTSUKUSU:KK), 24September 1993 (1993-09-24)
- PATENT ABSTRACTS OF JAPAN vol. 013, no. 372 (C-627), 17 August 1989 (1989-08-17) & JP 01 125320 A (TSUMURA & CO), 17 May 1989 (1989-05-17)
- PATENT ABSTRACTS OF JAPAN vol. 013, no. 233 (C-601), 29 May 1989 (1989-05-29) & JP 01 042422 A (TSUMURA & CO), 14 February 1989 (1989-02-14)
- PATENT ABSTRACTS OF JAPAN vol. 017, no. 372 (P-1573), 13 July 1993 (1993-07-13) & JP 05 061220 A (RICOH-CO LTD), 12-March 1993 (1993-03-12)
- PATENT ABSTRACTS OF JAPAN vol. 015, no. 331 (P-1241), 22 August 1991(1991-08-22) & JP 03 122645 A (NIPPON KANKO SHIKISO KENKYUSHO:KK), 24May 1991 (1991-05-24)
- PATENT ABSTRACTS OF JAPAN vol. 014, no. 468 (P-1115), 12 October 1990(1990-10-12) & JP 02 187765 A (OKI ELECTRIC IND CO LTD; OTHERS: 01),23 July 1990 (1990-07-23)
- SRAMEK J J ET AL: "RECENT DEVELOPMENTS IN THE DRUG TREATMENT OFALZHEIMER'S DISEASE" DRUGS AND AGING, ADIS INTERNATIONAL LTD, NZ, vol. 14,no. 5, 1999, pages 359-373, XP000901933 ISSN: 1170-229X
- PATENT ABSTRACTS OF JAPAN vol. 1999, no. 14, 22 December 1999 (1999-12-22)& JP 11 246398 A (KYOWA HAKKO KOGYO CO LTD;NIKKEN KASEI KK; OSAWATOSHIHIKO), 14 September 1999 (1999-09-14)
- PATENT ABSTRACTS OF JAPAN vol. 1998, no. 10, 31 August 1998 (1998-08-31)& JP 10 114649 A (DOKUTAAZU KOSUMETEIKUSU:KK;POLA CHEM IND INC), 6May 1998 (1998-05-06)
- See also references of WO 0154682A1

Patents Cited:

- US5679716 A X 0
- US5928654 A X 0
- US5059627 A X 0
- EP0998939 A XP 0
- WO0130335 A E 0
- JP5078384 A X 0
- WO0048586 A XP 0
- EP1175907 A E 0
- JP5246932 A 0
- JP1125320 A 0
- JP1042422 A 0
- JP5061220 A 0
- JP3122645 A 0
- JP2187765 A 0
- JP11246398 A 0
- JP10114649 A 0

Legal Status:

Date +/-CodeDescription

20021106(+)17P REQUEST FOR EXAMINATION FILED Effective date:

20020827;
 20021106(+)AK DESIGNATED CONTRACTING STATES: Kind code of
 corresponding patent document: A1; AT BE CH CY DE DK
 ES FI FR GB GR IE IT LI LU MC NL PT SE TR
 20021106(+)AX EXTENSION OF THE EUROPEAN PATENT TO :
 AL;LT;LV;MK;RO;SI;
 20030122 RIN1INVENTOR (CORRECTION) Inventor name: DEGUCHI,
 SUZU;
 20030122 RIN1INVENTOR (CORRECTION) Inventor name: KATO,
 IKUNOSHIN;
 20030122 RIN1INVENTOR (CORRECTION) Inventor name: KOBAYASHI,
 EIJI;
 20030122 RIN1INVENTOR (CORRECTION) Inventor name: LI, TUO-
 PING;
 20030122 RIN1INVENTOR (CORRECTION) Inventor name: NISHIYAMA,
 EIJI;
 20030122 RIN1INVENTOR (CORRECTION) Inventor name: OHNOGI,
 HIROMU;
 20030122 RIN1INVENTOR (CORRECTION) Inventor name: SAGAWA,
 HIROAKI;
 20030122 RIN1INVENTOR (CORRECTION) Inventor name: SHIRAGA,
 MASAHIRO;
 20030618(+)A4 SUPPLEMENTARY SEARCH REPORT Effective date:
 20030505;
 20040114(+)17Q FIRST EXAMINATION REPORT Effective date: 20031201;

Additional Information:

- Date of request for examination 20020827
- Date of dispatch of first examination report 20031201
- Patent bulletin/ gazette information 20040114 200403
- Date of drawing up and dispatch of supp. search report(A4)
20030505
- Figure number on first (title) page, abstract drawing NONE
- PCT application data JP2001000513 20010126 JPN
- PCT publication data WO2001054682 20010802 200131


EP1254658A4 ☐ **20030618** [FullText](#)**Title:** (ENG) REMEDIES**Application Number:** EP 01946787 A**Application (Filing) Date:** 20010126**Priority Data:** JP 0100513 20010126 W V; JP 2000019208 20000127 A I; JP 2000019331 20000127 A I; JP 2000254683 20000824 A I; JP 2000308519 20001006 A I;**Inventor(s):** LI TUO-PING JP ; OHNOGI HIROMU JP ; DEGUCHI SUZU JP ; KATO IKUNOSHIN JP ; KOBAYASHI EIJI JP ; NISHIYAMA EIJI JP ; SAGAWA HIROAKI JP ; SHIRAGA MASAHIRO JP**Assignee/Applicant/Grantee:** TAKARA BIO INC JP**Last Modification Date:** 20060424**Original IPC (1-7):** A61K03112; A61K031216; A61K031352; A61K0317004; A61P02500; A61P02528; A61P00910; A61P04300; A23L00130; C07C04983; C07C049255; C07C04984; C07C049573; C07C06912**ECLA (European Class):** A61K03112; A61K031216; A61K031352; A61K0317004; A23L00130**Designated Countries:**

- Designated States: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Publication Language: ENG**Agent(s):** VOSSIUS & PARTNER 00100314 Siebertstrasse 4 81675Muenchen DE**Non-Patent Citations:**

- PATENT ABSTRACTS OF JAPAN vol. 018, no. 001 (C-1148), 6 January 1994(1994-01-06) & JP 05 246932 A (NIPPON HIGH POTSUKUSU:KK), 24September 1993 (1993-09-24)
- PATENT ABSTRACTS OF JAPAN vol. 013, no. 372 (C-627), 17 August 1989 (1989-08-17) & JP 01 125320 A (TSUMURA & CO), 17 May 1989 (1989-05-17)
- PATENT ABSTRACTS OF JAPAN vol. 013, no. 233 (C-601), 29 May 1989 (1989-05-29) & JP 01 042422 A (TSUMURA & CO), 14 February 1989 (1989-02-14)

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- SRAMEK J J ET AL: "RECENT DEVELOPMENTS IN THE DRUG TREATMENT OFALZHEIMER'S DISEASE" DRUGS AND AGING, ADIS INTERNATIONAL LTD, NZ, vol. 14,no. 5, 1999, pages 359-373, XP000901933 ISSN: 1170-229X
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- See also references of WO 0154682A1

Patents Cited:

- US5679716 A X 0
- US5928654 A X 0
- US5059627 A X 0
- EP0998939 A XP 0
- WO0130335 A E 0
- JP5078384 A X 0
- WO0048586 A XP 0
- EP1175907 A E 0
- JP5246932 A 0
- JP1125320 A 0
- JP1042422 A 0
- JP5061220-A-0
- JP3122645 A 0
- JP2187765 A 0
- JP11246398 A 0
- JP10114649 A 0

Legal Status:

Date +/-CodeDescription

20021106(+)17P REQUEST FOR EXAMINATION FILED Effective date: 20020827;

20021106(+)AK DESIGNATED CONTRACTING STATES: Kind code of corresponding patent document: A1; AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

20021106(+)AX EXTENSION OF THE EUROPEAN PATENT TO : AL;LT;LV;MK;RO;SI;

20030122 RIN1INVENTOR (CORRECTION) Inventor name: DEGUCHI, SUZU;

20030122 RIN1INVENTOR (CORRECTION) Inventor name: KATO, IKUNOSHIN;

20030122 RIN1INVENTOR (CORRECTION) Inventor name: KOBAYASHI, EIJI;

20030122 RIN1INVENTOR (CORRECTION) Inventor name: LI, TUO-PING;

20030122 RIN1INVENTOR (CORRECTION) Inventor name: NISHIYAMA, EIJI;

20030122 RIN1INVENTOR (CORRECTION) Inventor name: OHNOGI, HIROMU;

20030122 RIN1INVENTOR (CORRECTION) Inventor name: SAGAWA, HIROAKI;

20030122 RIN1INVENTOR (CORRECTION) Inventor name: SHIRAGA, MASAHIRO;

20030618(+)A4 SUPPLEMENTARY SEARCH REPORT Effective date: 20030505;

20040114(+)17Q FIRST EXAMINATION REPORT Effective date: 20031201;

Additional Information:

- Date of request for examination 20020827
- Date of dispatch of first examination report 20031201
- Patent bulletin/ gazette information 20040114 200403
- Date of drawing up and dispatch of supp. search report(A4) 20030505
- Figure number on first (title) page, abstract drawing NONE

n data JP2001000513 20010126 JPN

n data WO2001054682 20010802 200131

US2003144316A1 ☐ **20030731** FullText**Title:** (ENG) Remedies**Abstract:** (ENG)

The present invention provides a therapeutic agent or prophylactic agent for a disease that requires enhancement of nerve growth factor production, an enhancer for nerve growth factor production, or a food, beverage or feed for enhancing nerve growth factor production, each comprising as an effective ingredient a specified compound or a salt

thereof having enhancing activity for nerve growth factor production; a method for enhancing nerve growth factor production, comprising administering to a mammal the above-mentioned compound or a salt thereof; and use of the above-mentioned compound or a salt thereof in the preparation of a therapeutic agent or prophylactic agent for a disease that requires enhancement of nerve growth factor production, an enhancer for nerve growth factor production, or a food, beverage or feed for enhancing nerve growth factor production. In addition, the present invention provides novel compounds having enhancing activity for nerve growth factor production.

Application Number: US 18219302 A

Application (Filing) Date: 20020726

Priority Data: JP 2000019208 20000127 A A; JP 2000019331 20000127 A A; JP 2000254683 20000824 A A;

Inventor(s): LI TUO-PING JP ; OHNOGI HIROMU JP ; DEGUCHI SUZU JP ; KATO IKUNOSHIN JP ; KOBAYASHI EIJI JP ; NISHIYAMA EIJI JP ; SAGAWA HIROAKI JP ; SHIRAGA MASAHIRO JP

Assignee/Applicant/Grantee: OHNOGI HIROMU JP; SHIRAGA MASAHIRO JP; KOBAYASHI EIJI JP; LI TUO-PING JP; DEGUCHI SUZU JP; NISHIYAMA EIJI JP; SAGAWA HIROAKI JP; KATO IKUNOSHIN JP

Last Modification Date: 20040606

Original IPC (1-7): A61K031473

ECLA (European Class): A23L00130; A61K03112; A61K03112; A61K031216; A61K031222; A61K031352; A61K0317004

US Class: 514297

Other Abstracts for This Document: DERABS C2001-570460

Legal Status: There is no Legal-Status-information available for this patent

Assignments Reported to USPTO:

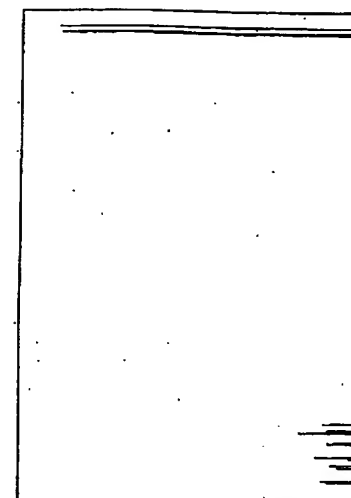
Reel/Frame: 13308/0236 **Date** **Date Recorded:** 20020726
Signed: 20020703

Assignee: TAKARA BIO INC. 4-1, SETA 3-CHOME OTSU-SHI 520-2193 JAPAN

Assignor: DEGUCHI, SUZU; KATO, IKUNOSHIN; KOBAYASHI, EIJI; LI, TUO-PING; NISHIYAMA, EIJI; OHNOGI, HIROMU; SAGAWA, HIROAKI; SHIRAGA, MASAHIRO

Corres. Addr.: BIRCH, STEWART, KOLASCH & BIRCH, LLP MARC S. WEINER P.O. BOX 747 FALLS CHURCH, VA 22040-0747

Brief: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).



INTENSITY OF SIGNAL

FIG.1

Additional Information:

- Figure number on first (title) page, abstract drawing NONE
- Correspondent Address BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH VA 22040-0747 US
- PCT application data PCT/JP01/00513 20010126 WO

EPO Register

WO2001054682A1 ☐ **20010802** FullText

Title: (ENG) REMEDIES

Abstract: (ENG)

Remedies or preventives for diseases with a need for the enhancement of the production of nerve growth factor which contain as the active ingredient specific compounds having an activity of enhancing the production of nerve growth factor or salts thereof, agents for enhancing the production of nerve growth factor, or foods, drinks or feeds for enhancing the production of nerve growth factor; a method of enhancing the production of nerve growth factor which comprises administering the above compounds or salts thereof to mammals; and use of the above compounds or salts thereof in remedies or preventives for diseases with a need for the enhancement of the production of nerve growth factor, agents for enhancing the production of nerve growth factor, or foods, drinks or feeds for enhancing the production of nerve growth factor. Also, novel compounds having an activity of enhancing the production of nerve growth factor are provided.

Application Number: JP 0100513 W

Application (Filing) Date: 20010126

Priority Data: JP 2000019208 20000127 A I; JP 2000019331 20000127 A I; JP 2000254683 20000824 A I; JP 2000308519 20001006 A I;

Inventor(s): LI TUO-PING JP ; OHNOGI HIROMU JP ; DEGUCHI SUZU JP ; KATO IKUNOSHIN JP ; KOBAYASHI EIJI JP ; NISHIYAMA EIJI JP ; SAGAWA HIROAKI JP ; SHIRAGA MASAHIRO JP

Assignee/Applicant/Grantee: LI TUO PING JP; OHNOGI HIROMU JP; DEGUCHI SUZU JP; KATO IKUNOSHIN JP; KOBAYASHI EIJI JP; NISHIYAMA EIJI JP; SAGAWA HIROAKI JP; TAKARA SHUZO CO JP; SHIRAGA MASAHIRO JP

Last Modification Date: 20050526

Original IPC (1-7): A61K03112; A61K031216; A61K031352; A61K0317004; A61P02500; A61P02528; A61P00910; A61P04300; A23L00130; C07C04983; C07C049255; C07C04984; C07C049573; C07C06912

ECLA (European Class): A23L00130; A61K03112; A61K03112; A61K031216; A61K031222; A61K031352; A61K0317004

Designated Countries:

- Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
- Regional Treaties: GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: JAP

Agent(s): HOSODA, Yoshinori c/o Hosoda International Patent Office, Otemae M2Bldg., 8-1, Tanimachi 2-chome, Chuo-ku, Osaka-shi, Osaka 540-0012 JP

Non-Patent Citations:

- DATABASE CAPLUS AEOnlineUE AMERICAN CHEMICAL SOCIETY (ACS), (COLUMBUS,OHIO, USA) XP002965185 Retrieved from STN Database accession no:1993:480203 & JP 5 078 384 A (TAISHO PHARMACEUTICAL CO., LTD) 30March 1993
- KOUROUNAKIS ANGELIKI ET AL.: 'Quantitative structure activityrelationships of catechol derivatives on nerve growth factor secretion inL-M cells' PHARM. RES. vol. 12, no. 8, 1995, pages 1199 - 1204,XP002941405 & DATABASE CAPLUS AEOnlineUEAMERICAN CHEMICAL SOCIETY (ACS), (COLUMBUS, OHIO, USA) Retrieved from STNDatabase accession no. 123:217704
- DATABASE CAPLUS AEOnlineUE AMERICAN CHEMICAL SOCIETY (ACS), (COLUMBUS,OHIO, USA) XP002965186 Retrieved from STN Database accession no.1994:163698 & JP 5 246 932 A (NIPPON HIGH POTSUKUSU K.K.) 24September 1993
- DATABASE CAPLUS AEOnlineUE AMERICAN CHEMICAL SOCIETY (ACS), (COLUMBUS,OHIO, USA) XP002965187 Retrieved from STN Database accession no.1990:48807 & JP 1 125 320 A (TSUMURA & CO.) 17 May 1989
- DATABASE CAPLUS AEOnlineUE AMERICAN CHEMICAL SOCIETY (ACS), (COLUMBUS,OHIO, USA) XP002965188 Retrieved from STN Database accession no.1989:23539 & JP 1 042 422 A (TSUMURA & CO.) 14 February 1989
- DATABASE CAPLUS AEOnlineUE AMERICAN CHEMICAL SOCIETY (ACS), (COLUMBUS,OHIO, USA) XP002965189 Retrieved from STN Database accession no.1993:459688 & JP 5 061 220 A (RICOH COMPANY, LTD.) 12 March 1993
- DATABASE CAPLUS AEOnlineUE AMERICAN CHMEICAL SOCEITY (ACS), (COLUMBUS,OHIO, USA) XP002965190 Retrieved from STN Database accession no.1992:31463 & JP 3 122 645 A (NIPPON KANKO SHIKISO KENKYUSHO K.K.) 24May 1991
- DATABASE CAPLUS AEOnlineUE AMERICAN CHEMICAL SOCIETY (ACS), (COLUMBUS,OHIO, USA) XP002965191 Retrieved from STN Database accession no.1991:257059 & JP 2 187 765 A (OKI ELECTRIC INDUSTRY CO., LTD.) 23July 1990
- See also references of EP 1254658A1

Patents Cited:

- US5059627 A A 0
- JP5078384 A 0
- JP5246932 A 0
- JP1125320 A 0
- JP1042422 A 0
- JP5061220 A 0
- JP3122645 A 0
- JP2187765 A 0

Legal Status:

Date +/- Code Description

20010802(+)AK DESIGNATED STATES Kind code of corresponding patent document: A1; AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

20010802(+)AL DESIGNATED COUNTRIES FOR REGIONAL PATENTS Kind code of corresponding patent document:

A1; GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE
DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

20010830 DFPEREQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM
PRIORITY DATE (PCT APPLICATION FILED BEFORE 20040101)

20010926 121 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION

20020722 ENP ENTRY INTO THE NATIONAL PHASE IN: : JP; Corresponding patent document: 2001 555660;
Kind code of corresponding patent document: A;

20020726 ENP ENTRY INTO THE NATIONAL PHASE IN: : US; Corresponding patent document: 2002 182193;
Publication date of corresponding patent document: 20020726; Kind code of corresponding
patent document: A;

20030116 REG REFERENCE TO NATIONAL CODE : DE; : 8642;



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